

Radical Expressions - Practice 2

Date_____ Period____

Simplify - Assume all variables are greater than zero

1) $\sqrt{36mn^4}$

2) $\sqrt{16xy^2}$

3) $\sqrt{125xy}$

4) $\sqrt{54uv^2}$

5) $-6\sqrt{63m^4}$

6) $-3\sqrt{112k}$

7) $4\sqrt{80ab}$

8) $4\sqrt{75u^3v}$

9) $\sqrt{144mn^2p^2}$

10) $\sqrt{125x^4y^4z}$

$$11) \sqrt{3k^3} \cdot \sqrt{10k}$$

$$12) \sqrt{2x} \cdot \sqrt{2x^3}$$

$$13) -\sqrt{12m^2} \cdot 2\sqrt{12m}$$

$$14) -\sqrt{2n^2} \cdot 5\sqrt{10n^2}$$

$$15) -2\sqrt{6x^3} \cdot 3\sqrt{5x^2}$$

$$16) 4\sqrt{6x^2} \cdot 3\sqrt{3x^2}$$

$$17) \frac{\sqrt{20x^2}}{\sqrt{8}}$$

$$18) \frac{\sqrt{8xy}}{\sqrt{2x}}$$

$$19) \frac{2\sqrt{3x^3y}}{4\sqrt{12x^2y^3}}$$

$$20) \frac{2\sqrt{16x^4}}{\sqrt{4x}}$$